

## ABSTRACT OF THE DISCLOSURE

A human-machine interface system is designed based on the distributed object model and is configured using application nodes, service nodes and composite nodes interconnected with a network. Herein, human-machine interface functions are  
5 actualized in forms of distributed objects allocated to the nodes and are realized by mediating interaction between the nodes (or devices). Thus, a human user is able to control an application node to perform a prescribed application by activating a specific service (e.g., speech recognition and speech synthesis) of a service node on the network. Because of the adequate distribution of the objects to the nodes, it is  
10 possible to reduce the cost per each device in installation of the human-machine interface system on the network. In addition, operation information regarding the human-machine interface system is commonly shared between the devices, which secures the same feeling of manipulation between the different devices.

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